Colorimeter

FOR POOL/SPA WATER ANALYSTS

GET RELIABLE PERFORMANCE
AND USER-FRIENDLY FEATURES

TTi™ 2000

MAIN MENU
Start Test
Access Test Data
Edit Favorites
Edit Series
Tools
Settings

Colorimeter

THE TRADITION OF
EXCELLENCE CONTINUES!

taylor®

the most trusted name in water testing

Taylor Technologies, Inc.
410-472-4340
800-TEST KIT (837-8548)
www.taylortechnologies.com

ISO 9001:2015 Certified

The **TTi® 2000 Colorimeter** from Taylor Technologies offers water analysts reliable results plus a variety of features to maximize your productivity. This hand-held, multiwavelength, microprocessor-controlled, menu-driven, direct-readout instrument employs LED Light sources. Its portability and data-logging capabilities make it well suited for use at regulated pools and by service technicians.

Dependable chemistries from the most trusted name in water testing:

- serving water analysts with distinction since 1930
- manufacturer's Quality Management System is certified to ISO 9001:2015
- Accuracy Check Kit for quality control
- toll-free technical support from both chemists and programmers

Durable construction:

- custom-crafted for use under harsh conditions: chemical-, impact-, and heat-resistant housing; sure-grip molding; liquid crystal display protected from abrasion and chemicals
- IP67-certified as dust tight and immersible to 1 meter for 30 minutes
- complies with Canadian ICES-003 and European CE mark directives
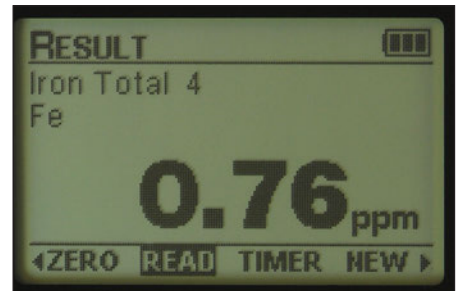- **5-YEAR WARRANTY**

Ergonomic design:

- fits neatly to hand; only weighs 21 ounces
- runs on batteries and AC power (batteries and power adapter included)
- automatic wavelength selection
- intuitive navigation using directional arrows
- graphical LCD with anti-glare coating offers excellent contrast and readability
- adjustable backlighting; a timeout feature conserves battery life
- tests organized alphabetically, not by a test number
- create your own menus of favorite tests and favorite series of tests
- auto-read function on test timer— never miss another test result because you got preoccupied with other tasks!
- second, general-purpose timer
- adjustable automatic shutoff

Preprogrammed tests for commercial and residential applications:

- all the tests necessary to prevent harm to swimmers or surfaces from poor water quality
- lifetime **FREE** upgrades as new tests are developed
- accepts 8 additional user-developed tests of 12 data points each
- read results in Concentration, % Transmission, or Absorbance
- **watch video demonstrations of tests on our website**

Data interface software makes managing records simple:

- store up to 100 date- and time-stamped test results in memory
- USB cable provided for data transfer to your PC or laptop
- Windows®-based *TTi® Colorimeter Series PC App* included in meter purchase
- dedicated website for software support

Never miss seeing your timed-test result with the TTi 2000's auto-read function.

(1) Rigid foam insert inside; use with optional soft case

M-2000 COMPONENTS

(1) TTi Colorimeter, model 2000 for pool and spa water

(1) AC power adapter

(1) USB cable

(1) *Quick-Start Guide*

(2) 25 mm sample cells

(2) 15 mm sample cells

(1) 50 mL dilution vial

(1) Foam brush for cleaning sample cell compartment and sample cells

(4) AA alkaline batteries
(also runs on AA lithium batteries)

plus:

TTi® Colorimeter Series PC App

Online *TTi® Colorimeter Series User's Manual*

Lifetime **FREE** access to new test files (no need to return meter to manufacturer)

OPTIONAL ACCESSORIES

▲ K-8000 TTi® Colorimeter Series Accuracy Check Kit

Verify instrument performance at all wavelengths using five secondary absorbance standards.

▲ #7146 Soft Carrying Case

Heavy-duty 600 denier polyester, sized to accommodate the rigid foam insert the M-2000 ships in.

#9506 Hard Carrying Case ▶

contents sold separately

lockable (padlocks not included)

corrosion-proof injection-molded polypropylene shell

adjustable utility compartments

holds 12 reagent packs or 36 2 oz. liquid reagents or a combination thereof

watertight

contents sold separately

sealed meter compartment for protection from vapors and liquids

ABS injection-molded insert

▲ #9504 Hard Carrying Case

SPECIFICATIONS

Dimensions	
Size	3-1/2 in. wide x 8-1/2 in. deep x 3-1/2 in. high
Weight (with batteries)	21 oz.
Liquid Crystal Display	160 x 100 resolution & polarized
Sample Cell Compartment	Accommodates 25 & 15 mm round sample cells
Part #9504 Hard Carrying Case (purchase separately)	20 in. wide x 15-5/8 in. deep x 5-1/2 in. high
Part #9506 Hard Carrying Case (purchase separately)	10.75 in. wide x 9 in. deep x 7 in. high
Part #7146 Soft Carrying Case (purchase separately; use with rigid foam shipping insert)	11 in. wide x 7 in. deep x 4-5/8 in. high

Performance	
Photometric Range	0–2 ABS
Photometric Accuracy	±0.005 ABS @ 1.0 ABS nominal
Photometric Linearity	±0.002 ABS (0–1 ABS)
Repeatability	±0.005 ABS (0–1 ABS)
Resolution	0.001 ABS (0–1 ABS)
Wavelength Filters	420, 470, 520, 570, 620 & 660 nm
Wavelength Accuracy	±1 nm
Wavelength Bandwidth	10 nm ±1 nm
Stray Light	< 1.0%

Instrument Rating	
Power Source	4 x AA 1.5V alkaline or lithium batteries, AC power adapter, or USB cable
Battery Life (w/o backlight)	4 months (typical use, 12 tests/day, 5 days/week) w/ low battery indicator
Max Current	100 mA @ 5VDC
AC Power Adapter Input	100–240 VAC, 50/60 Hz
Input and Output Connections	Mini-B female USB port for data transfer and connection to AC power adapter or USB cable
Environmental Conditions	Operational temperature range: 32°F–122°F (0°C–50°C)

Minimum System Requirements for PC App	
CPU	Pentium® III or better
RAM	500 megabytes
Available Hard Disk Storage	30 megabytes
Operating System	Windows® XP, Windows® Vista, or Windows® 7 (compatible with 32-bit and 64-bit systems)

AVAILABLE TESTS

Kit No.	Analyte	Range(s)
K-8024	Alkalinity, Total	0–250 ppm $CaCO_3$
K-8040	Biguanide	0–70 ppm PHMB
K-8002	Bromine, Total	0–10.0 ppm or 0–20.0 ppm Br_2
K-8001	Chlorine, Free & Total	0–4.00 ppm, 0–8.0 ppm, or 0–10.0 ppm Cl_2 (uses DPD/P)
K-8012	Copper	0–3.00 ppm Cu
K-8043	Copper, Total	0–4.5 ppm Cu
K-8032	Cyanuric Acid	7–120 ppm CYA
K-8030	Hardness, Calcium	0–800 ppm $CaCO_3$
K-8029	Hardness, Total	0–500 ppm $CaCO_3$; includes a test for NaCl for pools/spas that utilize salt systems to produce chlorine
K-8020	Hydrogen Peroxide (biguanide shock)	0–2.00 ppm H_2O_2; by dilution: 2–20 ppm, 20–100 ppm, or 100–125 ppm H_2O_2

Kit No.	Analyte	Range(s)
K-8009	Iron	0–4.00 ppm Fe
K-8044	Iron, Total	0–3.00 ppm Fe
K-8034	Manganese	0–0.80 ppm Mn
K-8031	Monopersulfate (oxidizing shock)	0–10.0 ppm Cl_2 (uses DPD/P)
K-8035	Nitrate	0–44 ppm NO_3^-
K-8027	pH	6.50–8.50
K-8027AB	pH (with Acid & Base Demand)	6.50–8.50
K-8046	pH	7.5–9.5
K-8047	pH	9.5–11.5
K-8005	Phosphate	0–3.00 ppm (20-3000 ppb) PO_4^{3-}
K-8023	Sodium Chloride (salt)	0–80 ppm NaCl; by dilution: 75–150 ppm, 150–500 ppm, 500–2000 ppm, or 2000–8000 ppm NaCl

why I like it :)

✓ CREATES SHORTCUTS TO MY FAVORITE TEST SEQUENCES (CUSTOMIZED SERIES FOR BROMINE SPAS, ONE FOR CHLORINE POOLS, ANOTHER FOR POOLS WITH ECGs, ETC.)

✓ NO TABLET REAGENTS TO CRUSH AND DISSOLVE BEFORE I CAN BEGIN A PROCEDURE

✓ NO SECOND-GUESSING COLOR MATCHES

✓ TESTS CHLORINE UP TO 10 PPM WITHOUT DOING DILUTIONS

✓ GETS ACCURATE READINGS IN ANY LIGHT, INCLUDING INDOORS

✓ THE AUTO-READ FUNCTION ON THE TEST TIMER PREVENTS ME FROM MISSING A RESULT BECAUSE I GOT BUSY WITH OTHER TASKS

✓ GREATER TEST SENSITIVITY MEANS MORE PRECISE READINGS, ALLOWING ME TO CALCULATE THE CHEMICAL TREATMENT WITHOUT UNDER- OR OVERDOSING

✓ THE PC APP TRANSFERS TIME- AND DATE-STAMPED TEST RESULTS TO MY MAIN DATABASE FOR AN IRREFUTABLE MAINTENANCE RECORD

✓ GREAT TAYLOR TECH SUPPORT

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